

Defense, Space & Security
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JCSAT-18/Kacific1

Description and Purpose: In February 2017, SKY Perfect JSAT Corporation and Kacific Broadband Satellites Group ordered a 702MP satellite to expand communication for mobile telephone, data and internet users throughout the Asia-Pacific region. The satellite is owned jointly by the two companies and will have two distinct payloads. Once in service, the JCSAT-18/Kacific1 satellite will have the flexibility to accommodate various business requirements to meet the needs of both customers throughout the Asia-Pacific region.



Customers: JCSAT-18 is the 13th satellite Boeing has built for the JSAT Corporation and Space Communications Corporation, both now part of SKY Perfect JSAT Corporation. Following the launch of JCSAT-18, SKY Perfect JSAT will have two high-throughput satellites, JCSAT-18 and Horizons 3e, both built by Boeing. Kacific1 is the first satellite Boeing has built for Kacific Broadband Satellites Group and is the company's first Ka-band high throughput satellite.

General Characteristics: The JCSAT-18 payload will provide Ku-band coverage and improve mobile and broadband services for SKY Perfect JSAT Corporation customers in the Asia-Pacific region, including the far eastern part of Russia. The Kacific1 payload for Kacific Broadband Satellites Group will provide high-speed Ka-band satellite broadband internet to more than 25 countries in Southeast Asia and the Pacific.

Basic Specifications:

Orbital location: 150E
Service Life: > 15 years
Transponders: Ku, Ka

Technology Advantages:

- JCSAT-18/Kacific1 is one of the first satellite programs to use payload planars, which help make the payload more compact.
- Incorporated technologies in the power subsystem to achieve highest efficiencies.
- Incorporated command and data handling technologies to provide more secure spacecraft.

Background:

Founded in 1985 with headquarters in Tokyo, SKY Perfect JSAT Group has become one of the largest providers of multichannel pay TV broadcast services in Japan, operating the largest satellite communications business in Asia. For more information on SKY Perfect JSAT: www.skyperfectjsat.space.

Founded in 2013 with headquarters in Singapore, Kacific Broadband Satellites Group provides affordable, high-speed broadband services to telecommunications operators, internet service providers and governments in South East Asia and the Pacific. For more information on Kacific: www.kacific.com.

Boeing Satellite Systems is located in El Segundo, Calif. The world's first geosynchronous communications satellite, Syncom, was built by Boeing and launched in 1963. Boeing has delivered satellites to more than 20 customers, and continues to design and build government and commercial satellites in its factory in El Segundo.

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